

DETAILED ACTION

This office action is in response to the amendment and remarks filed 07/14/2008.

Allowable Subject Matter

1. Claims 1-3 and 6-14 are allowed.

Claim 1 is allowed in view of applicant's amendment to the claim and because the prior art of record neither discloses nor makes obvious the combination set forth in the independent claims, and especially does not show "in said first position, said transverse movable reciprocating base is secure to said flame tube by a releasable locking unit", in combination with the other claim limitations.

With respect to claim 13, the following is an examiner's statement of reasons for allowance: the prior art of record neither discloses nor makes obvious the combination set forth in the independent claims, and especially does not show " in said first position, said piston is secured to said tube by a releasable locking unit comprising an internal block housed in said piston in a sliding manner and passing through said transverse wall of said piston so as to emerge in said combustion chamber, and also at least one locking roller subjected to a movement of said block and configured to pass radially through the lateral skirt of said piston in order to engage in a reception housing of said tube and to immobilize said transverse movable base ,, , in combination with the other claim limitations.

With respect to claim 14, the following is an examiner's statement of reasons for allowance: the prior art of record neither discloses nor makes obvious the combination set forth in the independent claims, and especially does not show " said piston is provided with peripheral locking tenons which are able to cooperate, in said first position, with locking housings which are disposed in said flame tube

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and are in communication with said combustible chamber and, through the effect of a detonation, said transverse movable base rotates with respect to said piston, inhibiting the cooperation of the locking tenons and the locking housing and enabling said piston to assume said second position „, in combination with the other claim limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Rodríguez whose telephone number is 571-272-4831. The examiner can normally be reached on Monday-Friday 7:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Devon Kramer can be reached on 571-272-7118. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William H. Rodríguez/
Primary Examiner, Art Unit 3741